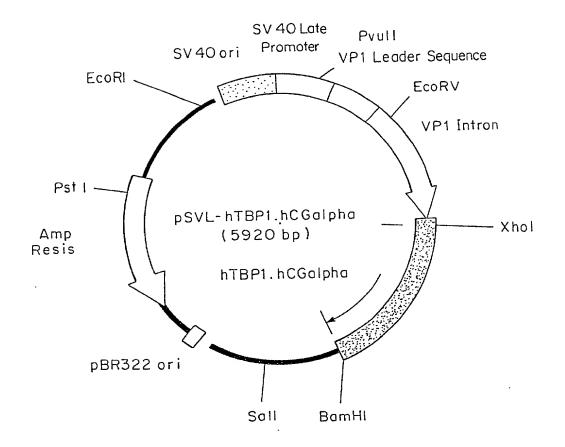
F1G.10(1)



F16.10(2)

CCC CTG CTC TGC CTG GGC TTT GCT CTG CIC CTG TCC ACG CGGCTCCCTCTGTTGCCCTCTGGTTTCTCCCCAGGC TCC

+20 Asp of Processed TBP1

ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC

GGTGly CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT GCC GGT GCT GCC CCA GIN GIU Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Dee Leu Arg Glu Asn Glu Cys Val Ser Cys Ala Gly Ala Ala Pro

+7 Cys of hCG alpha

TGC CCA GAA TGC ACG CTA CAG GAA AAC CCA TTC TTC TCC CAG CCG GGT GCC CCA ATA CTT CAG TGC ATG GGC TGC TTC TCT AGA GCA TAT

Cys Pro Glu Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys Cys Phe Ser Arg Ala Tyr

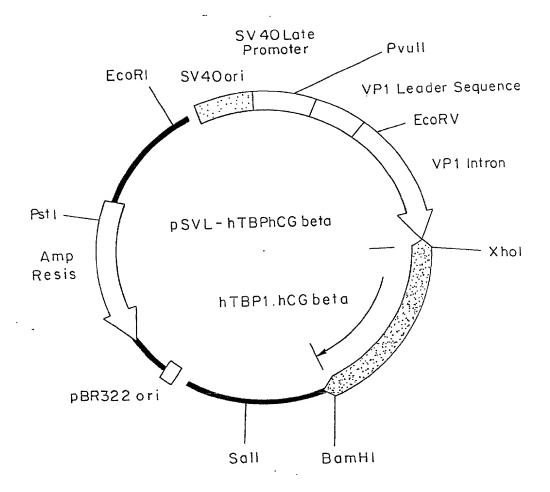
CCC ACT CCA CTA AGG TCC AAG AAG ACG ATG TTG GTC CAA AAG AAC GTC ACT TCA GAG TCC ACT TGC TGT GTA GCT AAA TCA TAT AAC AGG GTC

ACA GTA ATG GGG GGT TTC AAA GTG GAG AAC CAC ACG GCG TGC CAC TGC AGT ACT TGT TAT TAT CAC AAA TCT TAA (

Thr Val Met Gly Gly Phe Lys Val Glu Asn His Thr Ala Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser ...

Ö

FIG. 1b(1)



F16.16(2)

hGH Signal Sequence

hGH Intron

CTCGAG ATG GCT ACA G GTAAGCGCCCCTAAAATCCCTTTGGGCACAATGTGTCCTGAGGGGAAGGTAGCGACTGTAGATGGGACGGGGGCACTAACCCTCAGGTTTGGG * Met Ala Thr

+20 Asp of Processed TBP1

GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys

TTCAAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser CCC TGG CTT CAA GAG GGC AGT GCC Pro Trp Leu Gln Glu Gly Ser Ala

CTC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC

ARG ASP Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys

AAT GGG ACC GTG CAC CTC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAT GAG TGT GTC Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val +7 Pro of hCG beta _

Cys Ala Gly Ala Gly Pro Arg Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys' Ile Thr Val TGC ATC ACC TCC TGT GCT GGT GCT CGA CGG TGC CGC CCC ATC AAT GCC ACC CTG GCT GTG GAG AAG GAG GGC TGC CCC GTG Ser

AAC ACC AAC ATC TGT GCC GGC TAC TGC CCC ACC ATG ACC CGC GTG CTG GGG GTC CTG CCG GCC CTG CCT CAG GTG GTG TGC AAC TAC ASN THY TAT THY INE CYS Ala Gly Tyr Cys Pro Thr Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Ala Leu Pro Ala Leu Pro Ala Leu Bro Gln Val Val Cys Asn Tyr

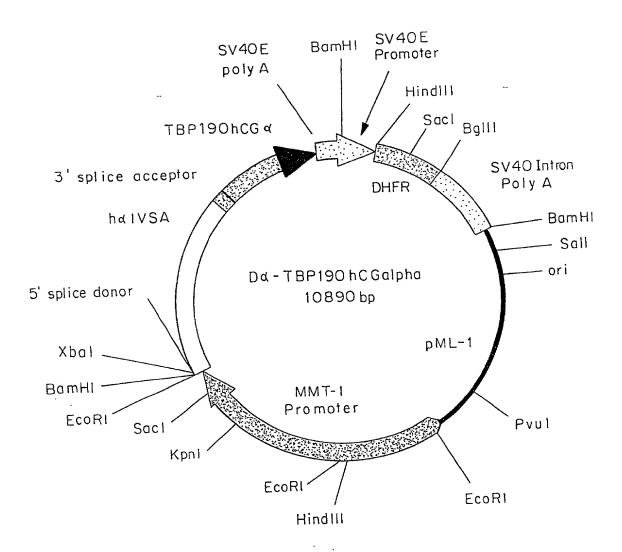
CAA Glu

TGT GCA CTC TGC CGC AGC ACC ACT GAC TGC GGG GGT CCC AAG GAC CAC CCC TTG ACC TGT GAT GAC CCC CGC TTC CAG GAC TCC TCT CTS Cys Ala Leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro Leu Thr Cys Asp Arg Pro Arg Phe Gln Asp Ser Ser

TCC TCA AAG GCC CCT CCC AGC CTT CCA AGC CCA TCC CGA CTC CCG G3G CCC TCG GAC ACC CCG ATC CTC CCA CAA TAA Ser Ser Lys Ala Pro Pro Ser Leu Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro Gln ***

Bam III

FIG. 20(1)



F16.20(2)

GIAAGCGCCCCTAAAATCCCTTTGGGCACAATGTGTCCTGAGGGAGAGAGGCAGCGACCTGTAGATGGGACGGGGGCACTAACCCTCAGGTTTGGGGTTTCT hGH Intron hGH Signal Sequence TCGAG ATG GCT ACA G

CAA GAG GGC AGT GCC GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA SGIN GIU GIY Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Can Gln Gly Gly Gly Gly Gly Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys +20 Asp of processed TBP1

ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC

AGA CAC TGC CTC AGC TGC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC TG TGT GC TG TGT GGC TGT G

AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC TCC TCC TGC

CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GIN GIN LYS GIN ASN Thr Val Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu +7 Cys of hCG alpha Linker

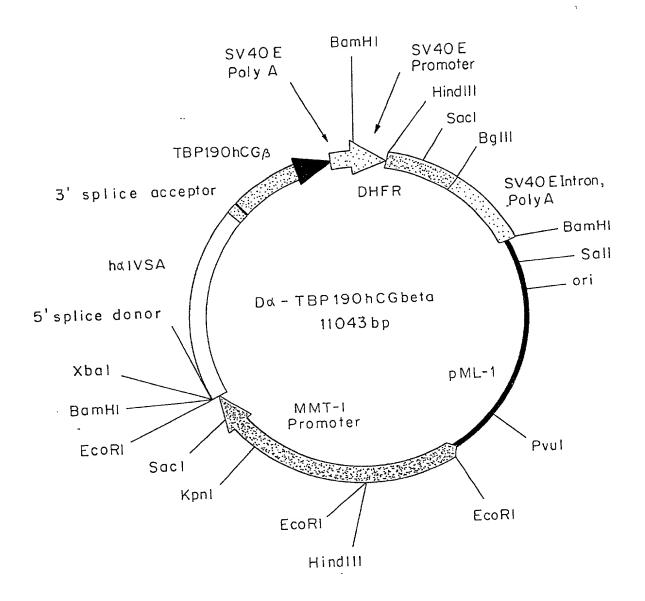
GAA TGC ACG CTA CAG GAA AAC CCA TTC TCC TCC CAG CCG GGT GCC CCA ATA CTT CAG TGC ATG GGC TGC TGC TTC TCT AGA GCA TAT CCC ACT

ATG GGG GGT TTC AAA GTG GAG AAC CAC ACG GCG TGC CAC TGC AGT ACT TGT TAT TAT CAC AAA TCT TAA GGATCCCTCGAG

MEt Gly Gly Phe Lys Val Glu Asn His Thr Ala Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser ***

Barn HI Xhol

FIG. 2b(1)



CTG GGC Gly

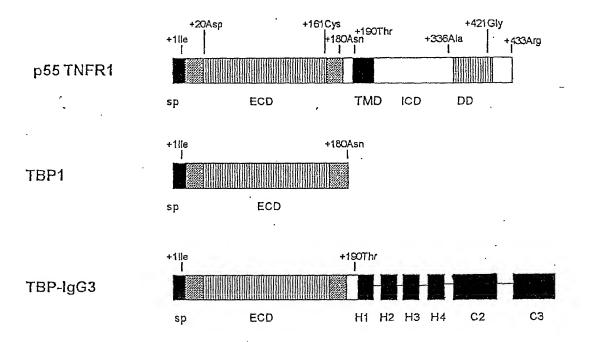
Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr

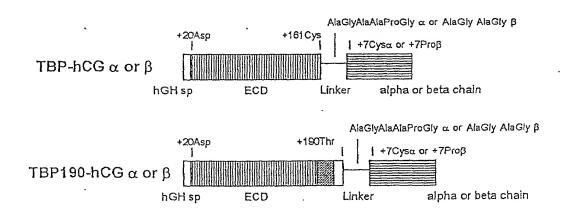
ACA GCT GGT GCT CCA CGG TGC CGC CCC ATC AAT GCC ACC CTG GCT GTG GAG AAG GAG GGC TGC CCC GTG TGC ATC ACC

BamIII Xhol TCA ANG GCC CCT CCC AGC CTT CCA AGC CCA TCC CGA CTC CCG GGG CCC TCG GAC ACC CCG ATC CTC CCA CAA TAA GGATCCCTCGAG *ser Lys Ala Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro Gln ***

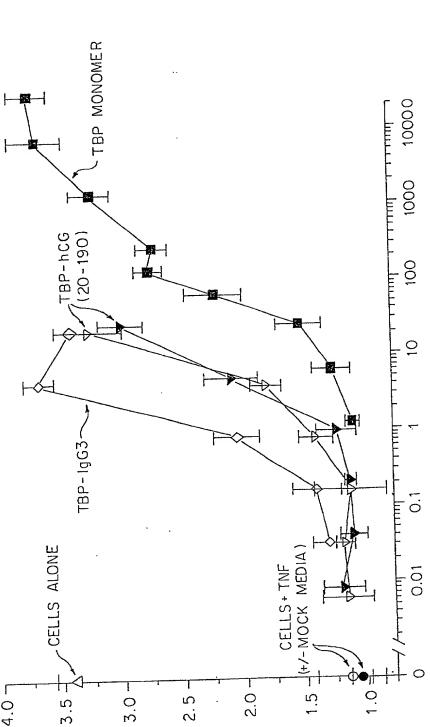
GCA CTC TGC CGC CGC AGC ACT GAC TGC GGG GGT CCC AAG GAC CAC CCC TTG ACC TGT GAT GAC CGC TTC CAG GAC TCT TCT TCC ACC ACC ATC TGT GCC GGC TAC TGC CCC ATG ACC CGC GTG CTG CGG GGG GTC CTG CCG GCC CTG CCT CAG GTG GTG TGC AAC TAC CGC ATC TAT Thr Thr Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg GAT GTG CGC TTC GAG TCC ATC CGG CTC CCT GGC TGC CCG CGC GGC GTG AAC CCC GTG GTC TCC TAC GCC GTG GCT CTC AGC TGT CAA TGT ASp val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly val Asn Pro val val Ser Tyr Ala Val Ala Leu Ser Cys Gln Cys TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC Thr Ala Gly Ala Gly Pro Arg Cys Arg Pro 11e Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys 11e Thr Val Asn NTG GCT ACA G GTAAGCGCCCCTAAAATCCCTTTGGGCACAATGTGTCCTGAGGGGAAGCAGCGACCTGTAGATGGGACGGGGGCACTAACCCTCAGGTTTGGG ► Met Ala Thr AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC } GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TGC ACA GTG AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT ASS GGG ACC GTG ACC GTG ACC GTG CAC GGT TTC TTT CTA AGA GAA AAC GAG TGT ASS GGG ACC GTG ACC GTG ACC GTG ACC GAG TGT ASS GGG TGT ASS GGG ACC GTG ACC GTG ACC GTG ACC GAG AAAC GAA AAC GAG TGT ACC GTG ACC GTG ACC GTG ACC GTG ACC GTG ACC GTG ACC GAG AAAC GAA AACC GAG TGT ACC GTG GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT GCT F16.20(2) Cre CTC CTG SOCIETA DE +20 Asp of Processed TBP1 hGH Intron CCC TGG CTT CAA GAG GGC AGT GCC Pro Trp Leu Gln Glu Gly Ser Ala

F/G. \mathcal{S} p55 TNFR1, TBP1 and TBP1 FUSION CONSTRUCTS





-B- 10⁵ CELLS/WELL+2.5ng/ml TNFx +TBP MONOMER. A CELLS ALONE TBP-hCG(20 -190) CHO MEDIA + 2.5ng/ml TNF« TBP-hCG(20-190) CHO MEDIA + 2.5 ng/ml TNF« CELLS + CHO MOCK MEDIA + 2.5 ng/ml TNFa ♦— TBP-1gG3 CHO MED+2.5ng/ml TNFd 2.5 ng/ml TNFd (NO TBP) F1G. 4 4.07



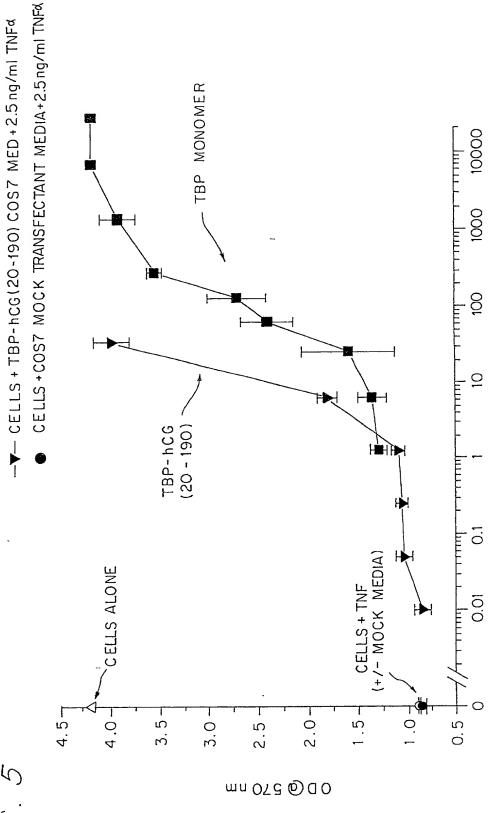
mn 077 6 0 00

ng/ml TBP EQUIVALENTS(R&D SYSTEM ELISA)

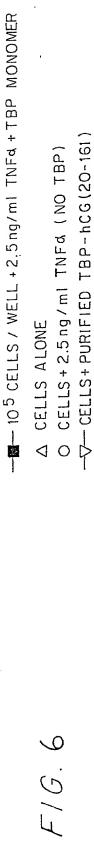
-■- 105 CELLS / WELL + 2.5 ng/ml TNF4 + TBP MONOMER △ CELLS ALONE

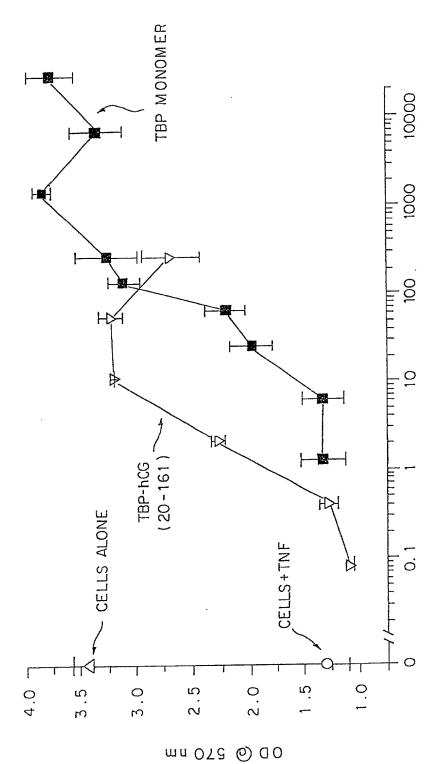
CELLS + 2.5ng/ml TNFa (NO TBP)

F16.5



ng/mi TBP EQUIVALENTS(R&D SYSTEM ELISA)





ng/ml TBP EQUIVALENTS (R&D SYSTEM ELISA)